CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/KRIDL/W.No.14/Steel/2016-17 06.02.2017

TEST REPORT ON REINFORCEMENT STEEL

* Customer	:	**Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of work	:	Construction of CC roads and drains opp. Govt. Hospital Mallasandra in Ward No.14, Bagalagunte, BBMP, Bangalore.
* Reference	:	EE/DD/W.O/117/2016-17 Dated: 28.01.2017
* Samples ID	:	10 mm Bar
Technical Reference	:	IS: 1786-2008
Date of Testing	:	06.02.2017

Sl No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm2	Tensile strength (Ultimate stress) N/mm2	Elongation percent gauge length		
1	10	0.62	511	513	13.15	O.K	O.K

*Information is furnished by the Customer/Representative.

Note:

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⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

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Shakthi Ganapathinagar,
Basaveshwaranagar, Bangalore-560 079.

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* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
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* Reference	:	EE/DD/W.O/117/2016-17 Dated: 28.01.2017
* Samples ID	:	12 mm Bar
Technical Reference	:	IS: 1786-2008
Date of Testing	:	06.02.2017

Sl No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm2	Tensile strength (Ultimate stress) N/mm2	Elongation percent gauge length		
1	12	0.89	514	516	13.25	O.K	O.K

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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
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CIVIL-TECH CONSULTANTS AND ENGINEERS

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T-2377

Job No.: CTCE/BBMP/KRIDL/W.No.14/CSR-02/261d/Cube/2016-17 08.03.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of the work	:	Construction of CC roads and drains opp. Govt. Hospital Mallasandra in Ward No.14, Bagalagunte, BBMP, Bangalore.
* Reference	:	EE/DD/W.O/117/2016-17 Dated: 28.01.2017
* Sample ID	:	RCC Drain Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	08.03.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	08.02.2017	08.03.2017	8.135	478.3	21.26
2	08.02.2017	08.03.2017	8.298	492.3	21.88
3	08.02.2017	08.03.2017	8.332	502.8	22.35

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Technical Manager

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Sample Received on	:	08.03.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	08.02.2017	08.03.2017	8.206	493.5	21.93
2	08.02.2017	08.03.2017	8.325	506.3	22.50
3	08.02.2017	08.03.2017	8.359	512.2	22.76

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Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.02.2017	10.03.2017	8.199	485.5	21.58
2	10.02.2017	10.03.2017	8.290	495.5	22.02
3	10.02.2017	10.03.2017	8.382	505.6	22.47

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